

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-3. (Canceled)

4. (Currently Amended) A device having at least one display panel, said display panel having a plurality of pixels, each of which comprising:

~~a substrate having an insulating surface;~~

at least ~~[[one]]~~ first and second thin film transistor ~~transistors~~ formed over ~~[[said]]~~ a substrate, said thin film transistor including at least a channel region, source and drain regions with said channel region therebetween, a gate insulating film adjacent to said channel region, and a gate electrode adjacent to said channel region with said gate insulating film interposed therebetween;

a first signal line extending in a first direction over said substrate, said first signal line comprising aluminum ~~and being contiguous to said gate electrode;~~

an interlayer insulating film covering said first and second thin film transistor ~~transistors~~;

a lead electrode comprising aluminum formed over said interlayer insulating film and electrically connected to one of the source or drain regions of at least one of said first and second thin film transistor ~~transistors~~ through a hole of said interlayer insulating film;

a second signal line formed over said interlayer insulating film and extending in a second direction orthogonal to said first direction, said second signal line comprising aluminum and electrically connected to the other one of the source or drain regions of said at least one of said first and second thin film transistors;

an organic resin film formed over the first and second thin film ~~transistor~~ transistors, said interlayer insulating ~~[[film]]~~ film, and said lead electrode to provide a leveled upper surface; and

a pixel electrode formed over said organic resin film, ~~said pixel electrode being electrically connected to said thin film transistor via said lead electrode.~~

5.-8. (Canceled)

9. (Currently Amended) A television comprising:

a tuner for receiving television radio wave;

a display panel operationally connected to said tuner, said display panel having a plurality of pixels, each of which comprising:

~~a substrate having an insulating surface;~~

at least ~~[[one]]~~ first and second thin film ~~transistor~~ transistors formed over ~~[[said]]~~ a substrate, each of said first and second thin film ~~transistor~~ transistors including at least a channel region, source and drain regions with said channel region therebetween, a gate insulating film adjacent to said channel region, and a gate electrode adjacent to said channel region with said gate insulating film interposed therebetween;

a first signal line extending in a first direction over said substrate, said first signal line comprising aluminum ~~and being contiguous to said gate electrode;~~

an interlayer insulating film covering said first and second thin film ~~transistor~~ transistors;

a lead electrode comprising aluminum formed over said interlayer insulating film and electrically connected to one of the source or drain regions of at least one of said first and second thin film ~~transistor~~ transistors through a hole of said interlayer insulating film;

a second signal line formed over said interlayer insulating film and extending in a second direction orthogonal to said first direction, said second signal line comprising

aluminum and electrically connected to the other one of the source or drain regions of said at least one of the first and second thin film transistors;

an organic resin film formed over the first and second thin film transistor transistors, said interlayer insulating film and said lead electrode to provide a leveled upper surface; and

a pixel electrode formed over said organic resin film, ~~said pixel electrode being electrically connected to said thin film transistors via said lead electrode.~~

10.-13. (Canceled)

14. (Currently Amended) A portable computer having a display panel, said display panel having a plurality of pixels, each of which comprising:

~~a substrate having an insulating surface;~~

at least ~~[[one]]~~ first and second thin film transistor transistors formed over ~~[[said]]~~ a substrate, each of said first and second thin film transistor transistors including at least a channel region, source and drain regions with said channel region therebetween, a gate insulating film adjacent to said channel region, and a gate electrode adjacent to said channel region with said gate insulating film interposed therebetween;

a first signal line extending in a first direction over said substrate, said first signal line comprising aluminum and ~~being contiguous to said gate electrode;~~

an interlayer insulating film covering said first and second thin film transistor transistors;

a lead electrode comprising aluminum formed over said interlayer insulating film and electrically connected to one of the source or drain regions of at least one of said first and second thin film transistor transistors through a hole of said interlayer insulating film;

a second signal line formed over said interlayer insulating film and extending in a second direction orthogonal to said first direction, said second signal line comprising

aluminum and electrically connected to the other one of the source or drain regions of said at least one of the first and second thin film transistors;

an organic resin film formed over the first and second thin film transistor, said interlayer insulating film and said lead electrode to provide a leveled upper surface; and

a pixel electrode formed over said organic resin film, ~~said pixel electrode being electrically connected to said thin film transistor via said lead electrode.~~

15.-24. (Canceled)

25. (Previously Presented) A device having at least one display device, said display device comprising:

a substrate having an insulating surface;

at least one thin film transistor formed over said substrate, said thin film transistor including at least a channel region, source and drain regions with said channel region therebetween, a gate insulating film adjacent to said channel region, and a gate electrode adjacent to said channel region with said gate insulating film interposed therebetween;

a first signal line extending in a first direction over said substrate, said first signal line comprising aluminum and being contiguous to said gate electrode;

an interlayer insulating film covering said thin film transistor;

a lead electrode comprising aluminum formed over said interlayer insulating film and electrically connected to one of the source or drain regions of said thin film transistor through a first hole of said interlayer insulating film;

a second signal line formed over said interlayer insulating film and extending in a second direction orthogonal to said first direction, said second signal line comprising aluminum and electrically connected to the other one of the source or drain regions;

an organic resin film formed over the thin film transistor, said interlayer insulating film and said lead electrode to provide a leveled upper surface; and

a pixel electrode formed over said organic resin film, said pixel electrode being electrically connected to said thin film transistor via said lead electrode and through a second hole of the organic resin film,
wherein the first hole and the second hole do not overlap to each other.

26.-32. (Canceled)

33. (Previously Presented) A device having at least one display device, said display device comprising:

- a substrate having an insulating surface;
- at least one semiconductor layer formed over said substrate and comprising at least a channel region, source and drain regions with said channel region therebetween;
- a gate insulating film adjacent to said channel region;
- a gate electrode adjacent to said channel region with said gate insulating film interposed therebetween;
- a first signal line extending in a first direction over said substrate, said first signal line comprising aluminum and being contiguous to said gate electrode;
- an insulating film over at least said semiconductor layer;
- a lead electrode comprising aluminum formed over said insulating film and electrically connected to one of the source or drain regions through a first hole of said insulating film;
- a second signal line formed over said interlayer insulating film and extending in a second direction orthogonal to said first direction, said second signal line comprising aluminum and electrically connected to the other one of the source or drain regions;
- an organic resin film over said insulating film and said lead electrode to provide a leveled upper surface; and

a pixel electrode formed over said organic resin film, said pixel electrode being electrically connected to said lead electrode through a second hole of the organic resin film,

wherein the first hole and the second hole do not overlap to each other.

34.-35. (Canceled)

36. (Previously Presented) The device according to claim 4 wherein said display panel is a liquid crystal device.

37. (Previously Presented) The television according to claim 9 wherein said display panel is a liquid crystal device.

38. (Previously Presented) The portable computer according to claim 14 wherein said display panel is a liquid crystal device.

39.-42. (Canceled)

43. (Previously Presented) The device according to claim 25 wherein said display panel is a liquid crystal device.

44.-50. (Canceled)

51. (Previously Presented) The device according to claim 33 wherein said display panel is a liquid crystal device.

52.-53. (Canceled)

54. (New) The device according to claim 4 wherein one of said first and second thin film transistors is an N-channel transistor and the other one of the first and second thin film transistors is a P-channel transistor.

55. (New) The device according to claim 4 wherein the gate electrodes of the first and second thin film transistors are connected to the first signal line.

56. (New) The device according to claim 4 wherein said pixel electrode is electrically connected to said first and second thin film transistors.

57. (New) The television according to claim 9 wherein one of said first and second thin film transistors is an N-channel transistor and the other one of the first and second thin film transistors is a P-channel transistor.

58. (New) The television according to claim 9 wherein the gate electrodes of the first and second thin film transistors are connected to the first signal line.

59. (New) The television according to claim 9 wherein said pixel electrode is electrically connected to said first and second thin film transistors.

60. (New) The portable computer according to claim 14 wherein one of said first and second thin film transistors is an N-channel transistor and the other one of the first and second thin film transistors is a P-channel transistor.

61. (New) The portable computer according to claim 14 wherein the gate electrodes of the first and second thin film transistors are connected to the first signal line.

62. (New) The portable computer according to claim 14 wherein said pixel electrode is electrically connected to said first and second thin film transistors.

63. (New) A semiconductor device comprising:
a substrate;
at least first and second thin film transistors provided over the substrate;
a first signal line extending in a first direction over the substrate wherein gate electrodes of the first and second thin film transistors are connected to the first signal line;
a second signal line extending across said first signal line wherein said second signal line is connected to one of source or drain of the first thin film transistor and one of source or drain of the second thin film transistor;
an organic resin film formed over the first and second thin film transistors and the first and second signal lines; and
a pixel electrode over the organic resin film wherein the pixel electrode is electrically connected to the other one of the source or drain of the first thin film transistor and the other one of the source or drain of the second thin film transistor,
wherein the first and second thin film transistors are disposed with the second signal line located therebetween.

64. (New) The semiconductor device according to claim 61 wherein the first thin film transistor is an N-channel thin film transistor and the second thin film transistor is a P-channel thin film transistor.

65. (New) A semiconductor device comprising:
a substrate;
at least first and second thin film transistors provided in one pixel over the substrate;

a pixel electrode provided in the pixel;
a first signal line for selecting said pixel;
a second signal line for supplying a signal to the pixel electrode; and
an organic resin film formed over the first and second signal lines,
wherein the first and second thin film transistors are disposed with the second
signal line located therebetween.

66. (New) The semiconductor device according to claim 63 wherein the first thin
film transistor is an N-channel thin film transistor and the second thin film transistor is a
P-channel thin film transistor.